FOR MYSORE STATE

Public (1954) Department.

Rr SERIES.

G.O. NO. 433

433

Dated 23/7/54

Passed
23/7
Supd

[Despatch Abstract.]

Community Projects - South Kanara area - Block I
communications - construction of 10 culverts o
road from Kadeshwallya Temple to the M
Hassan road - Sanctioned by the Project
Officer Mangalore - Papers recorded.

Ref.C.No.1073/54-B.

Proceedings of the Project Executive Officer, Mangalore
Dated 3-7-1954.
Sri.H.Narasimha.

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Community Projects--South Kanara--Formation of a road from Madeshwallya temple road and construction of 10 culverts --Estimate Sanctioned.

--

96560

COMMUNITY PROJECTS & EX-OFFICIO ADVISER TO GOVT. OF MADRAS
10 JUL 1954
AGRICULTURE DEPARTMENT

Sanction is accorded to an expenditure not exceeding Rs.(~~7~~)4700/- four thousand seven hundred only being the estimated cost of 10 culverts (2 Nos. 3-0" diameter, 5 Nos. of 1'-3" diameter and 3 Nos. of 1'-0" R.C. hume ~~pipe~~ pipe culverts) on the road from Madeshwallya temple to Mangalore Hassan Road in Block No.II. The work relating to the road portion of about 2½ miles (widening the existing cart track) has to be done by the beneficiaries themselves at an estimated cost of about Rs.4100/-. The work corresponds to item No.11 under kacha roads in Block II in the overall programme. The sanction is counted against the relevant provisions in the overall programme.

The expenditure is debitable to '60.P.Community Development Projects - j.Communications - I.Works.'

Sd/- H.Narasimha 7.7.54
for Project Executive Officer.

Copy submitted to the Director of Community Projects, Madras (2 copies) with a copy of the sanctioned estimate.

Copy to the Secretary, C.P.A. Department, Krishi Bhavan, New Delhi.

P.T.O.

Ref.C.No.1873/54-B.

Proceedings of the Project ExecutiveOfficer,Mangalore
Dated 8-7-1954.
Sri.H.Narasimha.

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Community Projects--South Kanara--Formation of a road from Kadeshwallya temple road and construction of 10 culverts --Estimate Sanctioned.

--

Sanction is accorded to an expenditure not exceeding Rs. (4700/-) four thousand seven hundred only being the estimated cost of 10 culverts (2 Nos. 2-0" diameter, 5 Nos. of 1'-6" diameter and 3 Nos. of 1'-0" R.C. humo pipe culverts) on the road from Kadeshwallya temple to Mangalore Hassan Road in Block No.II. The work relating to the road portion of about 3½ miles (widening the existing cart track) has to be done by the beneficiaries themselves at an estimated cost of about Rs.4100/-. The work corresponds to item No.11 under kacha roads in Block II in the overall programme. The sanction is counted against the relevant provisions in the overall programme.

The expenditure is debitable to '63.B.Community Development Projects - j.Communications - I.Works.'

H Narasimha 8.7.54
PROJECT EXECUTIVE OFFICER

Copy submitted to the Director of Community Projects, Madras (2 copies) with a copy of the sanctioned estimate.
Copy to the Secretary, C.P.A. Rastrapathi Bhavan, New Delhi.

Copy to Accountant General, Madras.
Copy to Collector of South Kanara.
Asst. Engineer (C.P.) with estimate.
Accountant.
-Clerk.
Asst.Project Officer,Mangalore.(2 copies).

PROJECT EXECUTIVE OFFICER
3 MAR 1954
MADRAS

...ort to accompany the estimate for forming a road from ...deshwallya to Nadeshwallya temple road.

...stimate .~~7902/-~~ 8800/-

This estimate provides for forming a road about ... miles starting from 24/3 of Bangalore Mysore road to Nadeshwa... temple. The estimate comprises of the following:

1. ...oad work.
2. ...ume pipe culverts of 1'-3" diam. at 0/1, 0, 1/1, 1/5 - 3 Nos.
3. ...ume pipe culverts of 1'-3" at 0/2, 0/4, 1/4, 2/3, 3/2 - 5 Nos.
4. Hume pipe culverts 2'-0" diam. at 1/7 and 2/0 - 2 Nos.
5. Road work. Rs. 4,100/-

...d work consists of earth work, excavation for ... for the road, regarding the existing cart track, widening the existing road and repairing the same as per the details enclosed separately. Provision is made in the estimate for clearing ...ge of ...moving rocks/stones from the road surface and from the sides of the road and also for providing dry stone p...ls at required points.

2. Hume pipe culverts 1'-3" diam. at 0/1 0, 1/1, 1/5 - 3 Nos. ~~700/-~~ 900/-

...at the minor drainage courses, hume pipes of 1'-3" diameter are provided at 0/2 0, 1/1 and 1/5.

Hume pipes are fixed at either ends on head wall ... masonry in cement mortar 1:5 over a bed of concrete ...oken stones 1" and cement mortar 1:5:10. ... packing is provided for the foundation and also provision is made for other incidental items of work. At the ...ls ... other details 2/" ... cement mortar 1:5:10 ... Separate typical ... enclosed.

3. Hume pipe culverts 1'-3" diam. at 0/2, 0/4, 1/4 0, 2/3 and 3/2 - 5 Nos.

Rs. ~~1,900/-~~ 2400/-

Hume pipes are fixed at either ends on random rubble masonry head walls in cement mortar 1:5 found on a bed of concrete broken stones 1½" size in cement mortar 1:5:10. ... packing is provided for the foundation and also provision is made for other incidental items of work. At the ...ls ... other details 2/" ... cement mortar 1:5:10 ... Separate typical ... enclosed.

4. Hume pipe culverts 2'-0" diam. at 1/7 and 2/0 - 2 Nos. ~~1,200/-~~ 1400/-

Hume pipe will be fixed at either ends on a head wall of random rubble masonry in cement mortar 1:5, over a bed of concrete broken stones 1½" in cement mortar 1:5:10. ... packing is provided for the foundation and also ... is also enclosed.

The estimate is ... for a up to -

1. Road work.	... 4,100/-
2. Hume pipe culverts of 1'-3" diam. at 0/1, 1/0 - 2 Nos.	1,400/-
3. Hume pipe culvert of 1'-3" at 0/2, 0/4, 1/4, 2/3, 3/2 Nos.	2,400/-
4. Construction of hume pipe culverts of 1'-3" diam. 1/- 0, 1/2, 1/- ...os.	900/-
	~~7900/-~~ 8800/-

P.W D. V-39—17,205—20 1-66.

Data sheet to accompany the estimate for Forming a Road from Kadarbhalli gate to Kadarshalli Temple Road.

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
		RS. A. P		RS. A. P.	
	Earth work excavation in all sorts except rock requiring blasting with initial lead and lift.				
10000 Cft	S.O 20 B	21 6 0	1000 Cft	21 6 0	
	Earthwork excavation in hard ~~gravel~~ soil and disintegrated Rock (Laterite)				
10000 Cft	~~S.O 20B~~ S.O 16B	23 4 0	1000 Cft	23 4 0	
	Earth work excavation in ~~hard~~ soft clayey gravelly Rock				
10000 Cft	S.O 17	28 14 0	1000 Cft	28 14 0	
	Earth work excavation in soft Laterite Rock				
10000 Cft	S.O 17A1	23 14 0	1000 Cft	23 14 0	
	Sectioning the Road & Camber filling in hills 3" deep				
100 Sft	S.O 25	0 4 6	100 Sft	0 4 6	
	Lead for additional 19 yards or part there of				
10000 Cft	—	1 2 0	1000 Cft	1 2 0	
	Breaking clods, Consolidation and sectioning & dressing slopes				
10000 Cft	S.O 20 (a) (iii)	1 14 0			
		2 0 0	1000 Cft	1 1 0	

S. D. Gaitonde
5/8/53
AE. CP.

S. B. Ramanjappa
Supervisor
5/8/53

DETAILED ESTIMATE

District South Kanara **Taluk**

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
						Rock Soling
	1					
		66	—	1-0	2640	
	1				1320	
	1				264	
	1	30				
	1					
	1					

Abstract Estimate.

C.P. 180. (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.	P.
										3270	0	
										530	0	
										63		
										37		
										100		
	Supervision charges at 5 per cent.											

Grand total, Estimate ..

ial officer (or other countersigning
to be named).

ned for 19 –19 .

Signature and designation of the officer submitting this estimate.

5/8/53

Asst Engineer C/

r or other sanctioning officer (to
ned).

Tahsildar or other officer (to be named)

District

Taluk

Village No.

Name of Work No.

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of estimate

Sanction number and date

To be carried out by

P.W.D. V-39—17,205—20-1-53. (1) 8.

...eet to accompany the estimate for Constructing 2 No

2'-0 dia Hume pipe Culverts in Kandaghatta

Temple Road.

Description of work.	Rate.			Per.	Amount.			Total.
	RS.	A.	P.		RS.	A.	P.	
Lead Statement								
Rough Stone and metal		2		miles CT				
Sand —		1½		miles CT				
Cement		25		miles MR				
—		2		miles CT				
Cement mortar 1:5								
Sand cost	2	8	0	100 cft	2	8	0	
Lead for the sand 1½ mile CT.								
1½ mil 9-6-0	11	4	0	100 cft	11	4	0	
20% over CT 1-14-0 / 11-4-0								
Cement cost	87	8	0	25 cft	70	0	0	65-12-6 / 9-6-0 / 1-10-10 / 76-13-4
Lead for Cement								
25 miles ML 2 miles CT								
141 Sacks : 25-12-6								
40 1½ miles 2 tons 40-0-0								
2 miles CT 11-11-6								
20% over CT 2-5-6 / 79-8-6	79	13	6	100 cft	15	15	6	
Mortar Mixing charges	4	8	0	100 cft	4	8	0	
Sundries —				5 %	4	6		
					104	8	0	104-8-0
earth work Excavation in all soils, Excepting rock requiring blasting, including refilling round pipe.								
S.D 20 B	21	6	0	100 cft	21	6	0	21-6-0
Cement Concrete 1:5:10 using ½" size								
Granite metal (S.S	33	4		100 cft				
½" size BSS metal	23	0	0	100 cft	21	2	0	
Lead for the stone 2 miles CT								
2 miles 11-11-6	14	1	0	100 cft	14	1	0	
20% over CT 2-5-6 / 14-7-0					12	15	0	
Cement mortar 1:5	104	8	0	100 cft	4	6	0	
Measure 2nd class	2	12	0	Cent	1	6	9	
Men Majdoors	1	8	0	Cent	7	8	0	
Women Majdoors	0	12	0	"	3	4	0	
	0	13	0	"	0	3	4	
Sundries				5 %		11		93-8-0
					93	8	0	

Data sheet to accompany the estimate for _____

2

Quantity.	Description of work.	Rate	Per.	Amount.	Total.
	Random Rubble masonry in CM 1:5	RS. A. P.		RS. A P.	
	100 Cft				
1:5 Cft	Rough Stone in	16 0 0	100 Cft	17 9 7	
-do-	Lead for Rubble	14 1 0	1 Cm	15 7 6	
	Add 10%			35 8 6	
1:4 Cft	Cement	15 104 8 0	100 Cft	35 7 0	
5 Mn	masons 2 nos	2 1 2 0	Each	13 12 0	
4 Mn	Main mason	1 8 0	"	6 3 4 0	
4 Mn	assistant mason	0 12 0	"	5 0 0	
	Sundries			3 4 5	
				3 11 0	
	Total			91 8 0	91-8-0
				91 12	
	Supplying & fixing in position 1/2 Cm thick Hume pipes with necessary Cement joints complete				
	Dia of pipe 2 ft				
	Length of pipe 12 Rms				
8 Rft					13 Rms 0
	Cost of pipes	8 7 0	1 Rft	67 5 0	
1 Mn	Collar Cost	4 9 0	1 No	4 9 0	
3 Mns	Raising pipes	0 4 0	1 Mn	11 6 0	
13 Nos	Handling charges at Coimbatore	0 0 4 0	1 No	3 4 0	
3 Mns	— do — at Mangalore	0 4 0	1 Mn	3 4 0	
105 Lbs	Lead for pipe joints 25 Mn Fit				
	2 Cft				
	1 Mn 5 Mns 5-2-0				
	40 Half Rings 15-12-0				
	2-5-0				
	0-7-0	4 11 0		28 12 8	
	2 Mn Cft				
	26 11-0				
8 Rft	Labour charges in laying & fixing pipes	0 8 0	1 Rft	4 0 0	
				4 4	
	Sundries			123 0 0	
	8 Rft costs 123-0-0				
	∴ 1 Rft			15 6 0	15-6-0

Data sheet to accompany the estimate for (3) _____

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per.	Amount. Rs.	A.	P.	Total.
	Rough Stone dry pitching for [illegible] and Approaches	100 C.ft				[illegible]			
110 cft	Rough Stone Cft	16	0	0	100	17	9		
11	Lead for the Same as above	14	1	0	100	15	11	6	
1 No	Woolen	3	0	0	Each	3	0	0	
3 Nos	Man Majdoors	1	8	0	Each	4	8	0	
2 Nos	Women majdoors	0	13	0	"	1	10	0	
LS	Sundries	~~0~~	~~12~~	0	LS	+	8	0	
						0	0	11	
						42	4	0	42-4-0
	Cement Concrete 1:3:6 using ¾" BSS Broken metal (SO 33 E)								
92 cft	¾" BSS Granite broken metal	42	0	0	100 cft	37	10	3	37-10-3
11	Lead for the Same as above	14	1	0	"	42	0	0	12-15-0
46 cft	Sand Cft	2	8	0	"	12	15	0	1-2-5
11	Lead as above	11	4	0	"	53	10	8	5-2-9
11	Cement Cft	87	8	0	Ton	53	10	8	53-10-8
11	Lead as above	79	13	6	"	12	3	11	12-3-11
1½ No	Mason 2nd class	3	2	0	each	7	6	0	1-6-0
5 Nos	Man Majdoors	1	8	0	Each	3	4	0	7-8-0
4 Nos	Women majdoors	0	13	0	"	2	12	0	3-4-0
	Sundries	0	12	0	"	2	0	0	1-12-0
					LS	+	5	11	1-5-11
						0	1	0	135-0-0
						147			147/-
						135	0	0	

Certified that the Rates and Units mentioned in this Estimate are correct to the best of my Knowledge.

S. Rajamanickam
Asst Engineer

L. A. Ganapathy
S/S
AE

Executive Engineer
CH
4/1/53

DETAILED ESTIMATE.

District — Taluk

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in feet.			Area or contents.
		Length.	Breadth.	Depth.	
		14'-0"			168
					174
		13-6"	2'-0"	3-0	312
		12-6	1'6"		188
		12	1-0		30

Abstract Estimate.

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.
										50	0
							164	0		164	0
			93	8	0		157	0	0	157	0
							475	13	0	476	0
										2	
										92	0
			135	0	0		43	0	0	43	0
										9	0
										10	0
										70	0
										49	
										50	
										1400	0
	Supervision charges at 5 per cent.										
										1400	

Grand total, Estimate ... 1400

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 –19 .

Collector or other sanctioning officer (to be named).

Signature and designation of the officer submitting this estimate.

Tahsildar or other officer (to be named).

Cyl. No. (2)—342,006—21

District

Taluk

Village No.

Name of Work No.

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of estimate 1400 /-

Sanction number and date

To be carried out by

P.W D. V-39—17,205—20-1-53.

Data sheet to accompany the estimate for Construction of 5 Nos of 1'-6" dia Hume pipe culverts in Kanakathalaya Temple Road.

Quantity.	Description of work.	Rate. Rs.	A.	P	Per.	Amount. Rs.	A.	P.	Total.
	Lead Statement								
	Rough Stone collected				2 mds				CT
	Sand	1½	mds		CT				
	Cement	2½ mds MR 2 mds CT							
	Cement mortar 1:5				100 cft				
100 cft	Sand cost	2	8	0	100 cft	2	8	0	
"	Lead as above	11	4	0	100 cft	11	4	0	
20 cft	Cement cost	87	8	0	250	7	0	0	
1	coolie for the same	79	3	6	100 cft	15	15	6	
	above —	4	8	0	"	4	8	0	
100 cft	Mixing charges Sundries		—			0	4	6	
						104	8	0	104-8
1)	Earth work excavation in ordinary soil except rock requiring blasting including initial lead and lift								
1000 cft	5 S to 20 B	21	6	0	100 cft	21	6	0	
2)	Cement Concrete 1:5:10 using 1½ metal (60 mm to 63 mm)	1600 cft							
12 cft 1000 cft	1½" BSS Broken granite metal	23	0	0	100	21 23	2 0	2 0	
12 cft.	Lead to the above	14	1	0	100	11 12	15 15	0 0	
	as above					4	4	2	
6 cft 100 cft	cement mortar 1:5	104	8	0	"	4	1	1	
	Mason 2nd class	2	12	0	Coolie	1	5	0	
½ "		3	2	0	"	1	1	0	
SM	Man mazdoor	1	8	0	"	3	0	0	
11 M	Woman mazdoor	0	12	0	"	0	2	10	93 8
			4	5		0	3	4	41-4
	Sundries —					93	8	0	
3)	Random Rubble masonry in 1:6 100 cft								
	Hume Slabs								
							8	6	

22

P.W.D. V-39—17,205—20-1-58

Data sheet to accompany the estimate for _____

Quantity.	Description of work.	Rate	Per.	Amount.	Total.
		Rs. A. P.		Rs. A P.	
1)	Supplying, placing and setting Collars complete with CM in the following proportions: Size of pipe 1-6" Length of pipe 8 ft. Weight of pipe 95 lbs. Weight of collar	1 4 6	each		760 lbs 152 lbs 608 lbs 10% more
8 Nos	Cost of Honey mix	6 0 0	per	48 0 0	
1 No	Cost of Collar	3 5 6	No	3 5 6	
	Jointing Rope	0 4 0	each	0 3 6	
	Jointing Charges	0 4 0	No	2 9 0	
	Oakum Cost	0 4 0	"	2 7 4	
	Cost of Mason				
	Cost of labour	2 6 11	1/11	2 5 3	
842 lbs	Lead Charges	0 6 [illegible]		3 0 0	
608 lbs	Labour Charges for melting Lead and running joints			1 3 5	
				91 0 3	
	5 Nos Cost = 91-03			11-6-0	
	Add 8				
2)	Cement Concrete 1:3:6 upto 8½" Projection with S.S.S.	100 C.ft		37 10 3	37-10-3
92 lbs	8½" Spigot for Lead joint	42 0 0	100 lbs	38 11 3	
1000 lbs	Lead for Lead joint	14 1 0	"	12 15 0	12-15-0
	Lead for Lead joint as extra	2 8 0	"	1 4 5	1-2-5
1650 lbs	Lead Cost	11 4 0	"	5 10 0	5-2-7
46 lbs	Lead as extra			53 10 8	53-10-8
14 lbs	Cement Cost	8 0	2 lbs	12 3 1	12-3-11
14 lbs	Lead as extra	3 6	1 lb	1 4 0	1-6-0
2 Nos	Mason 2 Mates	2 12 0	each	7 0	7-8-0
1 No	Man Magdoor	1 8 0	"	3 4 0	3-4-0
5 lbs	Woman Magdoor	0 13 0	"	0 1 4	0-1-4
4 lbs	Sundries			0 2 4	0-2-4
				135 0 0	135-2
6)	Rough Stone dry Pavement for Revetment and Apron			100 C.ft	5060
1100 lbs	Rough Stone	16 0 0	cwt	11 9 9	
11 lbs	Lead for Lead joint	14 1 0	"	15 6 6	
				27 0 3	CD

P.W D. V-39—17,205—20-1-53.

Data sheet to accompany the estimate for (3)

Quantity.	Description of work.	Rate. RS.	A.	P	Per.	Amount. RS.	A.	P.	Total.
	BP								
	Wodder	3	0	0	each	8	0		
	Man Mazdoor	1	8	0	"	4	8	0	
	Woman Mazdoor	~~0 11 0~~			"	1	10	0	
	Bamboos -	0	13	0					
						42	7	0	42-7-0
	Certified that the above charges are correct & reasonable.								
	L. A. Campion 5/8/53 AE CP								

DETAILED ESTIMATE.

District **Taluk**

Village and Survey — Date and cost of original construction

Name and number of work — Date and cost of last repairs

Details of work.	Number.	Measurement in Feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
					1	
		9-6"			285 Sft	
					298	or 300 Sft
		8'-6"		2'-6"	425 Sft	
		9'-0"			300 Sft	
		7-6"			70 Sft	
					795	795-18 = 777 Sft
						795 - 18 = 777

Abstract Estimate.

C.P. 150. (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.	P.
						L S				100	0	
							273	0	0	273	0	
			9 3	8	0		281			281	0	
							305	11	0	706	0	
											0	
											0	
			135	0	0						0	
										169	0	
										88	0	
										91	0	
											0	
											0	
										2460	0	
	Supervision charges at 5 per cent.											

Grand total, Estimate ... 2460/-

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 –19 .

Signature and designation of the officer submitting this estimate.

Collector or other sanctioning officer to be named).

District

Taluk

Village No.

Name of Work No.

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of estimate 2400 /-

Sanction number and date

To be carried out by

Data sheet to accompany the estimate for Construction of

3 nos of 1½" Hume pipe culverts
Kadaa Shaliya Lingala Road

Quantity.	Description of work.	Rate. Rs.	A.	P	Per.	Amount. Rs.	A.	P.	Tota
	Lead Statement								
	Rough Stone and Metal				2 Cft				
	Sand				1½ Cft				
	Cement				25 mds				M R
					2 mds				Cft
	Cement mortar				1:5	100			Cft S
100 ft	Sand 1 cft	2	8	0	100 ft	2	8	0	
"	Lead for the same as above	11	4	0	"	11	4	0	
		87	8	0	25 ft	70	0	0	
20 ft	Cement	79	13	6	100 ft	15	15	6	
"	Lead as above								
	Mixing Charges	4	8	0	100 ft	4	8	0	
100 ft					1-8	0	4	6	
	Sundries					104	8	0	
	Earth work excavation in all sorts								
	Soil requiring Blasting					With mixing			
	Cart Cft								
1000 ft	B.C 20 B	21	6	0	1000 ft	21	6	0	
	Cement Concrete 1:5:10 using 1½" Stone metal								
	Foreign metal	100			S.C.M.				
72						21	2	0	
100 ft	1½" Stone metal	23	0	0	100 ft	23			
"	Lead for the same as above	14	4	0	"	4	1	0	
						12	15	0	
46						47	11	2	
100 ft	Cement Mortar 1:5	104	8	0	100 ft				
	Mason 2nd Class	2	2	0	Each	4	9	0	
1/200		3							
	Man Majors	1	8	0	Each	7	8	0	
5 Nos									
	Woman Majors	0	13	0		3	4	0	
4 Nos						0	3	4	
						0	0	0	
	Sundries				1-8				
						93	80	91	
	Random Rubble masonry in C.M. 1								
1 Cft	Rough Stone cost	16	0	0	1 Cft	17	2	7	
"	Lead for the same as above	14	1	0	"	15	9	6	
						33	8	6	
24 Cft	Cement mortar 1:5	104	8	0		15	14		

P.W.D. V-39—17,205—20-1-53.

Data sheet to accompany the estimate for _____

(2)

Quantity.	Description of work	Rate	Per.	Amount.	Total
	B.F	RS. A. P.		RS. A. P.	
				82 3 9	
4 Nos	Mason Mayas	1 8 0	each	6 0 0	
4 Nos	Women Mayas	0 13 0	each	3 0 0	
2	Smokers			2 5 0	
				91 8 0	91-8-0
	Supplying, laying the 1:2:4 cement concrete in necessary collars and joints				
	Width of pipe	1'0"			
	Height of pipe	8.2"			
	Length of pipe	54 Lbs			432 Lbs
	Cost of collars				4 Nos
					4-7-0
					0-5-3/4
	Cost of pipes	2 12 6	1 No.	2 4 0	
1 No	Collars cost	1 8 0	each	1 8 0	
3/4 Nos	Mason charges	0 14 0	1 Mason	5 0 6	
3/4 Nos	Hamali charges for collars and pipes	0 4 0	1 Mazdoor	7 0	
	- do - of Mortar	0 4 0	1 "	7 0	
472 Cft	Local materials	26 11 6	100 Cft	12 9 4	
8 Nos	Mason charges for laying collars and mortar 1:3	0 4 0	1 No.	2 0 0	
	Coolies		45 "	4 2	
				46 8 0	
	8 No. Cost	46-8-0			5-13-0
	1 Cft	5			
	Rough Stone Soling for Foundations on 1 Foot Thick 90 Sft.				
1 100 Cft	Rough Stone	16 0 0	100 Cft	17 9 7	
11	Local Materials	14 1 5			
11	Asame	3 0 0	Each	3 0 0	
1 No	Woodcutter	3 0 0	"	4 0 0	
3 Nos	Mason Mayas	1 8 0	"	1 10 0	
2 Nos	Women Mayas	0 13 4	"	1 1 4	
	Coolies			42 4 9	42-6-0

P.W.D. V-39—17,205—20-1-53.

Data sheet to accompany the estimate for _____

(3)

Quantity.	Description of work.	Rate. Rs.	A.	P	Per.	Amount. Rs.	A.	P.	Total.
	Cement Concrete 1:3:6 using 3/4" Gauge metal 100 cft	59	0	0					
92 cft	3/4" Gauge metal	42	0	0	100 cft	37	10	3	37.10.3
100 cft	Sand	14	1	0	"	14	1	0	12.15.0
"	Lead as above					12	7	3	1.2.5
46"	Same as above	2	4	0	100	1	10	2	5.2.9
500 cft	Cement Cost	11	4	0	100	5	2	9	53.10.8
"	Lead as above	87	8	0	25	53	10	8	
46.3/4 cft						12	3	11	12.3.11
3	Lead for the same as above	79	8	0	100	13	4	9	1.6.0
"	Mason 1st Class	3	12	0	each	1	6	0	
1/2 no	Mason 2nd Class	3	2	0	"	1	9	0	7.8.0
8 no	Man Majdoors	1	8	0	"	7	8	0	
2 no	Woman Majdoors	0	12	0	"	3	0	0	3.4.—
1/4 no		0	3			0	1	0	0.1.—
	Sundries					0	6	11	135.0.0
		135	0	0		447	0	0	447.0.0

Certified that the Rates and other particulars furnished in this estimate are correct to best of my knowledge

S. Bhanuji Rao
Supervising C.A.
Manager
24/7/53

L. A. Gaffoor
S/8
A.E. Cp.

DETAILED ESTIMATE.

District

Taluk

Village and Survey

Date and cost of original construction

Name and number of wor

Date and cost of last repairs

Details of work.	Number.	Measurement in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
						4 2 x 9
						210
	11		1'			
		9'-0"			108 cft	162
					1 M	
						120 cft
					114	
		8'-0"		0"	192 cft	
		7-6			101	
		7-0			53 M	
						346 w 38
						355-8
					1500	

Abstract Estimate.

C.F. 156. (2).

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.
										0	0
			93	8	0		112	0	0	112	0
							109	8	0	109	8
							0			110	0
							315	0	0	315	0
										138	0
										219	0
											0
										214	0
										54	0
										4	0
										9000	
	Supervision charges at 5 per cent.										
										9004	0

Grand total, Estimate .. 9004-0

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 -19 .

Signature and designation of the officer submitting this estimate.

Collector or other sanctioning officer (to be named).

Talukdar or other officer (to be named).

District

Taluk

Village No.

Name of Work No.

15.2.57

Technically sanctioned

A E

13 SR.

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of estimate Rs 900/-

Sanction number and date

To be carried out by

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.
										4100	0
										1400	0
										~~200~~	~~0~~
										2400	0
										~~1900~~	~~0~~
										900	0
										~~100~~	~~0~~
										~~19000~~	
	Supervision charges at 5 per cent.										

Grand total, Estimate ~~Rs. 19000~~

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 -19 .

Collector or other sanctioning officer (to be named).

Signature and designation of the officer submitting this estimate.

Tahsildar or other officer (to be named

District

Taluk

Village No.

Name of Work No.

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Amount of estimate 8800/-

Sanction number and date

To be carried out by

Rub (RDP VI)

Memo No 96560 Rub (RDP VI) 57-1 dt. 19.7.57

Sub:- Cpts. S. Kanara Area. Block II - Communications. Construction of 10 culverts on the road from Kadeshwallya temple to the Mangalore Hassan road - Sanctioned estimate

Ref:- from the PRO. Mangalore ref. C No 1873/57 B dt 2-7-57.

It is observed that the rates for transport of materials like Cement and 'Hume' pipes have been incorrectly reckoned in the estimate for the above mentioned work. The correct charges for Conveyance during 25 miles of metalled road and 2 miles of Cart. track should only be the Standard rate for the first five miles, the rate by lorry for the next 20 miles and a similar rate for the 2 miles of Cart. track together with a fifth thereon, if the Cart. track is traversed by lorry. If the last two miles are traversed only by carts, the rate by cart for distances over the first five miles, should be adopted for the 2 miles and not the rate for 2 miles within the initial 2 miles. This method may be followed uniformly

It is also observed that the details of the estimates for the 3 types of culverts, have not been Correctly Compiled and checked properly. For instance, a foundation

of an area 2 ft x 3 ft is proposed under the Collars of pipes, but the Concrete for the building of the Collar, to be laid on this foundation has an area of 2 ft x 4 ft which is impracticable. The Concrete foundations for the headwalls of the 3, one foot diameter culverts are to be laid for a ~~distance of~~ length of 9-0", width 3-0" and thickness one foot. Whereas a quantity of 162 cu ft is required for the 6 headwalls (6 x 9 x 3 x 1) only a quantity of 108 cu ft has been noted. The pipes are to be laid against a head wall 2-0" thick at the bottom, for this type of culvert. But the deduction in quantity of masonry due to the pipes, is reckoned for a width of only 0-6" against 2 ft. Similar error in dimension of deduction for Concrete to build the pipes is also indicated. The PED is requested to see that the plans and the details are again checked and the provisions are Corrected suitably., since it is necessary to have an estimate as accurate as possible and to have the proper dimensions and quantities worked out in advance to facilitate Collection of requires materials and Correct execution of the work.

16.7.54

7/7/54.

Ref.C.No.1873/54-B. Project Executive Office,S.K., Mangalore, Dated 5--11--1954.

ADDITIONAL ASST. SECRETARY TO GOVERNMENT
10 NOV 1954
2873
PUBLIC DEPARTMENT

From
Sri. H. Narasimha, Project Executive Officer, South Kanara, MANGALORE.

The Director of Community Development, MADRAS.

Sir,

COMMUNITY PROJECTS--South Kanara--Block II--Communications. Construction of 10 culverts on the road from Kadeshwallya temple to the Mangalore Hassan road--Further report--Submitted.

Ref: Govt.Memorandum 96560 RDP/VI/54-1, dated 19-7-1954.

--

Para 1: A correct data and an abstract of the estimate prepared by the Asst. Engineer (C.P.) is herewith enclosed. The rate for concrete as per the instructions works out to Rs.94-8-0 as against Rs.93-8-0 for concrete 1:5:10 for 100 cubic feet. As ~~against~~ agreement has been accepted for Rs.93-8-0 and there is no loss to Government, the rate adopted needs no change. For other items of works there is no change in the rate - Vide enclosed data sheet.

Para 2: The corrections pointed out have been carried out in the estimate and correct quantities have been worked out. A copy of Asst. Engineer (CP) letter No.1263-E54, dated 15-10-1954 is also enclosed herewith.

Yours faithfully,

H Narasimha
.Project Executive Officer 8/11

Encl: Fresh Data & abstract in 6 sheets.

Copy of letter Ref.No.1263/E/54, dated 15-10-1954 from the Asst. Engineer (C.P.) Mangalore to the Project Executive Officer, Mangalore.

--

COMMUNITY PROJECTS--South Kanara--Block II--Communication--Construction of 10 culverts on the road from Kadeshwallya temple to Mangalore Hassan road.

Ref: Govt.Memo No.96560 RDP VI/54-1, dated 19-7-54, communicated in Ref.C.No.1873/54-B, dated 22-7-1954.

--

I am herein enclosing a corrected copy of data and abstract estimate for the above work after attending to the remarks contained in the reference quoted first above.

As directed in para (1) of the letter, the lead for cement and hume pipes has now been corrected. But, however, the method now suggested does not seem to be correct. The last journey of 2 miles cart track is in continuation of the lorry journey and is to be conveyed by cart only, as the cart track is unfit for lorry traffic, as such materials are to be unloaded and reloaded at this point from the lorry to the cart, for which there will be no provision if the method suggested above is observed. Due to break of journey, after lorry journey, the journey in cart track has to be treated as fresh one and intial lead within five miles has to be given including for the extra loading and unloading.

P.T.O.

Para 2: Corrections pointed out have been carried out and correct quantities have been worked out.

There is no alteration in rates arrived at in the origina estimate except for cement concrete 1:5:10. Since the rate now arrived is ½ higher than the original rate, no correction need be made on the accepted agreement and payment can be made as per agreement already executed.

/-True Copy-/

PROJECT EXECUTIVE OFFICER

JC/7-11-54.

Pub (RD & VI)

Submitted for perusal. No action seems called May be lodged and added to G.O. at (2)

12-11-54

24/11/54

Data Sheet to accompany the estimate for Constructing 2 Nos of 2-0" dia Culverts in Kadeshwalia Temple Road.

Quantity	Description of work.	Rate	Per	Amount
	Lead Statement			
	Rough stone and metal. . . .	2 Miles E.T.		
	Sand	1½ mile E.T.		
	Cement	25 miles, M.R. 2 Mile E.T.		
	— " —	— do —		
	Cement mortar 1:5: (S.R 45 d) 100 cft.			
100. cft	Sand cost . . .	2.8 →	100 cft	2.8 →
"	Lead for the Sand 1½" M. E.T. 20% = 1-2¼ + 9-6 → + 11-4 →)	11.4 →	do.	11.4 →
20. cft	Cement cost	87.8 →	25 cft	70 → →
"	Lead for Cement 25 miles M.R. 25.12.6 + 40 ½ miles 40 → → + 2 M.E.T. 9-4-0 + 20% 1-14-0	77.06	100. cft	15.6.6
100. cft	mixing mortar . . .	4.8 →	do.	4.8 →
L.S.	Sundries	L.S		.5.6
				104.0.0
1)	**Earth work** - excavation in all soils except rock requiring blasting including with initial lead & lift -			
1000. cft	S.R. 20 Rs.	21-6 →	1000. cft	21-6 →
4)	**Cement Concrete 1:5:10: using 1½" Size Granite metal** (S.R. 38. H.) 100 cft. -			
92. cft.	1½" Size Rs. 5.8. metal. . . .	23 →	100. cft	21.2.4
"	Lead for the same 2 miles E.T. . .	14-1 →	do -	12.15 →
46. cft	Cement mortar 1:5:	104 → →	do. .	47.13.5
½ No	Masons . . 1st Class . .	2.12 →	each	1-6 →
5 Nos	Man Mazdoors . . .	1.8 →	do.	7.8 →
4. Nos	Women Mazdoors . .	0.13 →	do.	3.4 →
L.S.	Sundries	L.S.		→ → 7 →
				94 8-0
3)	**Rough Rubble masonary in C.M. 1:5: 100 cft.**			
110. cft	Rough stone	16 → →	100 cft	17.9.4
do.	Lead for the same as above . .	14.1 →	do.	15.7.6
34. cft	Cement mortar, 1:5:	104 → →	do.	35.5.9
5. Nos	Masons 1st class . . .	2.12 →	each	13.12 →
4 Nos	Man Mazdoors . . .	1.8 →	do.	6 → →
4. Nos	Women Mazdoors . .	0.13 →	do.	3.4 →
L.S.	Sundries	L.S.		0.1.2
				91-8-0
4)	**Supplying & fixing in position the 2'-0" dia Hume pipes, with Hume collars and jointed with C.M. 1:5:**			
	Dia. of pipe 2'-0" = Length of pipe 8 ft, weight of pipe @ 121 lbs per R.R. = 968 lbs. weight of collar . . . . . 113 lbs 1081 @ 12 mds = 13 mds.			
R.R.ft.	Cost of pipes.	8.7 →	1 R.ft.	67.8 →
1 No	Collar cost	4-9 →	1 No	4.9 →
13 Mds	Railway freight	.14 →	1 Md.	11-6 →
13 Mds	Handling charges at Coimbatore	0.4 →	1 Md.	3.4 →
13. Mds	do — do — Mangalore	.4 →	do.	3.4 →
1081. lbs	Lead for pipes to work site. 25.M.M.R - 2 C.T. 1st 5 miles . 5.2.6. + 40 Half miles 18.12 → + 2 M.C.T. 1.14-0 and 20% - 0-6 → = (26.2.6)	26.2.6.	do.	28.9-6
	Release charges including mortar	0.8 →	1 R.ft.	4 → →
	Sundries . . .			
	S.R.ft. cost 123 → → = 15-6 → ✓			15.6 →

Rangatane dry packing for Monuments and Risers. 100.c.ft. (S.S. No. 80)

110. c.ft.	Rangatane Cost	16-0 —	100. c.ft.	17.9.4 ✓
"	Labour The same as above . .	14-1 —	do.	15.6.6 ✓
1. No.	Ladder	3-0 —	each.	3-0-0 ✓
3. Nos	Iron mag doors . . .	1.8-0	do.	4-8-0 ✓
2. Nos	Bronze mag doors . .	0.13-	do.	1.10-0 ✓
L.S.	Sundries	L.S.		1.11 ✓
				49-4-0

b) Cement Concrete 1:3:6 using 3/4" size Broken Metal. (S.S. 33 E) 100 c.ft.

92. c.ft.	3/4" B.S.S. Granite broken Metal.	42-0	100. c.ft.	34.10.3 ✓
do.	Labour for the same as above.	14-1	do.	12.15.0 ✓
46. c.ft.	Sand Cost	2-5-0	100 c.ft.	1.2.5 ✓
do.	Sand Labour . . .	11.4 —	do.	5.2-9. ✓
46 1/3 c.ft.	Cement Cost	87-8 —	25 c.ft.	53.10-8. ✓
do.	Labour The same as above.	77-0-6	100 c.ft.	11.12.11 ✓
1/2 No.	Mason II class	2.12 —	each.	1-6-0 ✓
5. Nos	Iron mag doors . . .	1.8	do.	7.8.0 ✓
4. Nos	Bronze mag doors . .	0.13	do.	3.4 — ✓
L.S.	Sundries	L.S.		0.8 ✓
				135.0.0

Certified That the Levels and other particulars furnished in this estimate are correct to the best.

Community Projects

R.F. XXI-7-8,000-7-2-58.

MINOR ~~IRRIGATION~~ ~~REVENUE~~ DEPARTMENT.

Name of Taluk— Mangalore. Amount of Estimate, Rs. 1400/-

Name of Work— Construction 2 ft. ⊖ Hume pipe culverts in Kadeswalya

ESTIMATE FORM—ABSTRACT.

Quantity. (1)	Description of work. (2)	Rate. (3)	Per (4)	Amount. (5)			Total. (6)			Remarks. (7)
				RS.	A.	P.	RS.	A.	P.	
L.S.	Earthwork excavation in all soils except rock requiring blasting with initial lead & lift	L.S.					50	0	0	
175 cft.	cement concrete 1:5:10 using 1½" size granite metal	94/8	100 cft.				165	0	0	
500 cft.	Random rubble masonry in C.M. 1:5	91.8/-	100 cft				458	0	0	
32 Rft	Supply & fixing 2 ft ⊖ Hume pipes with collar and jointed in C.M. 1:3	15.6	1 Rft				492	0	0	
20 cft.	cement concrete 1:3:6 using 3/4" metal	135.00	100 cft				37	0	0	
220 cft	Rough stone dry packing for aprons & revetment	42-0	100 cft				93	0	0	
LS.	unforseen items of work						55	0	0	
LS.	Petty Supervision charges						50	0	0	
		Total.					1400.	0.	0	

Sd. H. A. Gaffoor

Sd. B. Bramaja Rao.
Supervisor Gr.
Mangalore.

A. E. E.
Mangalore

(1)	(2)	(3)	(4)	(5)			(6)			(7)
				Rs.	A.	P.	Rs.	A.	P.	
	Technically Scrutinized Sd. K. A. Gaffoor 13.3.54 Assistant Engineer C.P. Mangalore Constructing 2nos of Heume to be called Kada Swamiya Tomb Est- Rs 1400/-									

Grand Total of Estimate .. 1400-0-0

Station,
Dated 19 . } Mistry Irrigation Overseer. Taheildar. Divisional Officer

Collector's Office,
Dated 19 . } Treasury Deputy Collector

Data Sheet, to accompany the estimate for Constructing 5 Nos. of 1-6 dia Pipe Culverts in Kadishwalia Temple-Road.

quantity	Description of work.	Rate	Per	Amount
	Lead Statement			
	Rough stone & metal . . . . . 2 miles C.T.			
	Sand . . . . . ½ mile C.T.			
	Cement . . . . . 25 miles M.R. 2 M. C.T.			
1)	Cement mortar 1:5:100 cft. (S.S. No 45(d)			
100 cft	Sand Cost	2·8	100 cft	2·8·0 ✓
do.	Lead same as above . . .	11·4	do.	11·4·0 ✓
20 cft	Cement Cost	87·8	25 cft	70·0·0 ✓
do.	Lead same as above . . .	77·0·6	100 cft	15·6·6 ✓
100 cft	Mixing charges	4·8	do.	4·8·0 ✓
L.S.	Sundries		L.S.	0·5·6 ✓
				104·0·0 ✓
1)	Earth work excavation in all soils except rock requiring blasting including initial lead & lift-			
1000 cft	S.S. No. 20 B.	21·6	1000 cft	21·6·0 ✓
1)	Cement Concrete 1:5:10: using 1½" size Metal S.S. No 33(H.) 100 cft			
92 cft	1½" B.S.S. Broken Granite Metal.	23·0	100 cft	21·2·7 ✓
do.	Lead for the same as above . . .	14·1·0	do.	12·15·0 ✓
46 cft	Cement mortar 1:5:	104·0·0	25 cft	47·13·5 ✓
½ No.	Mason II class	2·12·0	each	1·6·0
5 Nos	Man mazdoors	1·8·0	do.	7·8·0
4 Nos	Women mazdoors . . .	0·13·0	do.	3·4·0
L.S.	Sundries		L.S.	0·3·0
4)	Random Rubble masonary in C.M. 1:5:: 100 cft			94·8·0 ✓
110 cft	Rough stone	16·0·0	100 cft	17·9·7 ✓
do.	Lead as above	14·1·0	do.	15·7·6 ✓
34 cft	Cement mortar 1:5! . .	104·0·0	100 cft	35·5·9 ✓
5 Nos	Masons II class	2·12·0	each	13·12·0 ✓
4 Nos	Man mazdoors	1·8·0	do.	6·0·0 ✓
4 Nos	Women mazdoors . .	0·13·0	do.	3·4·0 ✓
L.S.	Sundries		L.S.	0·1·2 ✓
				91·8·0 ✓
1)	Supplying & fixing 1-6 dia Hume pipes with necessary collars, and fixing in C.M. 1:3: -			
	Size of pipe. = 1-6" dia.			
	Length of pipe - 8' 0" ft			
	Weight of pipe @ 95 lbs. No of R.ft = 760 lbs.			
	Weight of collars. . . . . 82 lbs			
	10¼ rounds = 842 lbs ✓			
8 R.ft.	Cost of Hume pipe	6·0·0	1 R.ft	48·0·0
1 No.	do. Collar	3·5·6	1 No.	3·5·6
10¼ rds.	Railway freight	0·14·0	do.	8·15·6
do.	Handling charges at other lead . .	0·4·0	1 round	2·9·0
10¼ rds.	do do at mazdoors .	0·4·0	do.	2·9·0
842 lbs.	Lead as above	26·2·6	1000 lbs.	22·0·4
8 R.ft	Labour charges including conveyance	0·6·0	1 R.ft	3·0·0
L.S.	Sundries		L.S.	0·8·8
				91·0·0

8 R.ft. 91·0·0 / 8 = 11·6·0 . 1 R.ft ✓

Cement Concrete 1:3:6. including [illegible]
[illegible] 100 cft.

cft	3/4 size Stone	42.	@ 100 cft	37.10.3
-	Sand as in same as above	14.1	do.	12.15.6
cft	Water Cost	2.5	do.	1.2.5
-	Head & Mate	11.4	do.	6.2.9
cft	Cement Cost	84.	do.	5.3.0
-	Sand as above	44.0.6	do.	11.2.11
No.	Mason [illegible]	2.12	each	1.6.0
No.	Mazdoors	1.8	each	7.8
No	Women Mazdoors	0.13	do.	3.4
	Sundries		L.S.	0.8.0
				135.0.0

Rough stone dry packing for underneath - 5.0.80 per cft -

cft	Stone	16	@ 100 cft	17 9 8
	Sand as in same as above	14.1	do.	15.7.6
	Loaders	3	each	3.0.0
No	Mazdoors	1.8	do.	4.5
No	Women Mazdoors	0.13	do.	1.10
	Sundries		L.S.	0.10
				42 4 0

Certified that the above rates are reasonable & in accordance with the best of my knowledge.

Sd. [illegible] Gaekwar.
S/A S.E.
Assistant Engineer,
E.S. Mangalore

Sd. S. Ashamaji Rao
Executive E.E.
Mangalore.
3/7.5'13

R.F. XXI-7—3,006—7-2-53.

MINOR IRRIGATION, REVENUE DEPARTMENT.

Name of Taluk— Mangalore Amount of Estimate, Rs. 2400

Name of Work— Constructing 5 nos 1'6" Hume pipe culverts in Kadeswallia ESTIMATE FORM—ABSTRACT Temple road

Quantity. (1)	Description of work. (2)	Rate. (3)	Per (4)	Rs. Amount. (5) RS.	A.	P.	Total. (6) RS.	A.	P.	Remarks. (7)
LS.	Earthwork excavation in all soils except rock requiring blasting with initial lead & lift.		LS.				100	0	0	
300 cft	Cement concrete 1:5:10 using 1½" B.S.S. gauge granite metal	94	8-0	100	cft		284	0	0	
780 cft.	Random rubble masonry in cement-mortar 1:5	91	8-0	— do —			714	0	0	
80 Rft & 5 collars	Supplying & fixing 1'6" Hume pipes with necessary collars and pointed in C.M. 1:3.	11	6-0	1	Rft.		910	0	0	
45 cft	Cement concrete 1:3:6 using 3/4" metal for binders	135	0-0	100	cft		61	0	0	
400 cft	Rough stone dry packing for aprons & retainments	42	4-0	— do —			169	0	0	
LS.	unforseen items of work						72	0	0	
LS.	Petty Supervision charges						90	0	0	
			Total				2400	0	0	

Sd. N. D. Goffoor
Assistant Engineer
C.P. Mangalore

Sd S. Bramaya Rao
Supervisor C.P.
Mangalore

P.T.O.

R.F. XXI-2

(1)	(2)	(3)	(4)	(5) Rs.	(5) A.	(5) P.	(6) Rs.	(6) A.	(6) P.	(7)
	Technically Scrutinized Sd. L. A. Gaffoor. Assistant Engineer Community Projects Mangalore. True copy. [illegible] 15/10/59									

Grand Total of Estimate .. 2400 0 0

STATION,
Dated 19 . } *Minor Irrigation Overseer.* *Tahsildar.* *Divisional Officer.*

COLLECTOR'S OFFICE,
Dated 19 . } *Treasury Deputy Collector.*

Page 11

Page 11 of Estimate to accompany the Estimate for Constructing 3 Nos of 1'-0" Hume Pipe Culverts in Kadeshwalliya Temple Road.

Quantity	Description of work.	No	Rate	Per	Amount	Total
	Lead Statement.					
	Rough stone and metal . . . 2 C.T.					
	Sand . . . . . 1½ C.T.					
	Cement . . . . . 25 miles M.R. & 2 miles C.T.					
	Cement mortar 1:5: 100 cft. S.D. No.					
100 cft	Sand cost		2 . 8 .	100 cft	2 . 8 . 0	✓
- do -	Lead for the same as above		11 . 4 .	. do .	11 . 4 . 0	✓
20 cft	Cement		87 . 8 .	25 cft	70 - 0 - 0	✓
- do -	Lead for the same as above . .		77 - 0 - 6	100 cft	15 . 6 . 6 .	✓
100 cft	Mixing charges		4 8 .	. do -	4 . 8 - 0	✓
L.S.	Sundries		. . . .	L.S.	0 . 5 . 6 .	✓
					104 . 0 . 0 .	104 - 0
	Earth work - excavation in all soils except rock, requiring blasting with initial lead & lift.					
1000 cft	S . D . 20 . B		21 - 6 . 0	1000 . cft	21 . 6 - 0	✓
	Cement Concrete 1:5:10: using 1½" size Broken Metal 1000 cft. S.D. Gro -					
92 cft	1½" size metal		23 - 0 - 0	1000 . cft	21 . 2 . 7 .	✓
- do -	Lead for the same as above . .		14 - 1 - 0	100 cft .	12 . 15 - 0	✓
46 . cft	Cement mortar 1:5:		104 - 0 -	25 cft .	47 . 13 . 5	✓
1/2 No	Masons - II class		2 . 12 . 0	each .	1 . 6 - 0	✓
5 . Nos	Man mazdoors		1 . 8 . 0	. do .	7 . 8 - 0	✓
4 . Nos	Woman mazdoors		0 . 13 . 0	. do -	3 . 4 . 0	✓
L . S .	Sundries		. . . .	L . S .	0 . 7 - 0	✓
					94 . 8 . 0	94 - 8
	Random rubble masonry in C.M. 1:5:					
110 . cft	Rough stone		16 - 0 - 0	100 cft	17 . 9 . 7 .	✓
. do -	Lead for the same as above . . .		14 - 1 - 0	. do .	15 . 7 . 6 .	✓
34 . cft	Cement mortar . 1:5: . . .		104 - 0 - 0	. do .	35 . 5 . 9 .	✓
5 . Nos	Masons - II class		2 . 12 - 0	each .	13 . 12 - 0	✓
4 . Nos	Man mazdoors		1 - 8 - 0	. do -	6 - 0 . 0	✓
4 . Nos	Woman mazdoors		0 . 13 . 0	. do -	3 . 4 - 0	✓
L . S .	Sundries		. . . .	L . S .	0 . 1 . 2	✓
					91 - 8 . 0	91 - 8
	Supplying & fixing the 1'-0" dia. Hume pipes with necessary collars, and joints with C.M. 1:3:.					
	Diameter of pipes 1'-0"					
	Length of pipe . . 8'-0"					
	weight of pipe @ 54 lbs. per R.ft. .		. . . .		432 lbs.	
	weight of collars		. . . .		40 . lbs	
					472 . lbs . or 5 3/4 Mds	
8 . R.ft	Cost of pipes		2 . 12 . 6 .	1 R.ft	22 . 4 - 0	✓
1 . No	Collar cost		1 . 8 . 0	1 each	1 . 8 . 0	✓
5 3/4 Mds	Railway freight		0 . 14 - 0	1 R.ft. Mds	5 - 0 - 6	✓
. do -	Handling charges in other con . .		0 . 4 - 0	. do .	1 . 7 - 0	✓
5 3/4 Mds	do . - do . at mangalore . .		0 . 4 - 0	. do -	1 . 7 - 0	✓
472 lbs	Lead as above		26 . 2 . 6	1 Mound	11 . 8 . 7	✓
8 . R.ft	Labouring charges including C.M. 1:3: . .		0 . 4 - 0	each .	2 - 0 - 0	✓
L . S .	Sundries		. . . .	L.S.	0 . 4 . 11	✓
					46 . 8 . 0	46 - 8
	8 . R.ft Cost 46 - 8 as 1 . R.ft Cost . (5 . 13 - 0)					5 . 13 -
	Rough stone, dry packing for excutments and aprons = 100 cft - S . D . No . 80 -					

110 · cft.	Rough Stone	10 — —	100 cft.	17 · 9 · 7
— do —	Lead for the same as above . .	14 — 1 —	. do .	15 · 6 · 6
1 · No.	Ladder	3 — 0 —	each	3 — —
3 · Nos	Man Mazdoors	1 — 8 —	. do .	4 — 8 —
2 · Nos	Woomen Mazdoors	0 · 13 —	. do .	1 — 10 —
L. S.	Sundries	L.S.		0 · 8 · 11
				42 · 8 · 0 42 —

Cement Concrete 1:3:6: using 3/4 size Metal, 100 cft — S. 3. No. —

92. cft.	3/4 size Metal	42 — 0 —	100 cft.	39 · 10 · 3 ·
— do —	Lead for the same as above .	14 — 1 — 0	. do .	12 · 15 —
46. cft.	Sand Cost.	2 — 8	. 100 cft.	1 · 2 · 5
— do —	Lead for the same as above .	11 · 4 —	. do .	5 · 2 · 9 ·
46/3 cft.	Cement Cost	87 · 9 · 0	25 · cft	53 · 10 · 8
— do —	Lead for the same as above .	77 — 0 6	100 cft.	11 · 12 · 11
1/2 No.	Mason II class	2 · 12 — 0	each	1 · 6 — 0
5 · Nos	Man Mazdoors	1 — 8 —	. do .	7 · 8 —
4 · Nos	Woomen Mazdoors . . .	0 · 13 — 0	. do .	3 · 4 —
L. S.	Sundries	L.S.		0 · 8 — 0
				135 — 0 — Rs 13

Certified That the leads and other particulars given in this estimate are correct to best of my knowledge —

Sd. P. N. Eashoor.
5'3'53.
Assistant Engineer
D. B. Mangalore.

Pd. S. Bhonsle Rao.
Superintendent. C.E.
Mangalore
29.7.53.

R.F. XXI-7—3,006—7-2-53.

MINOR IRRIGATION, REVENUE DEPARTMENT.

Name of Taluk— Mangalore Amount of Estimate, Rs.

Name of Work— Construction 3 nos 1'0" ø Hume pipe culverts in Kadeswallia ESTIMATE FORM—ABSTRACT. Tenpole road

Quantity. (1)	Description of work. (2)	Rate. (3)	Per (4)	Per Amount (5)			Total. (6)			Remarks. (7)
				RS.	A.	P.	RS.	A.	P.	
22.	Earth work excavation in all soils except rock requiring blasting within initial lead & lift						50	0	0	
70 cft	cement concrete 1:5:10 using 1½" B.S.S. gauge granite metal	94	8·0	100 cft			161	0	0	
10 cft	Random rubble masonry in cement mortar 1:5	91	8·0	- do -			284	0	0	
48 Rft	Supplying & fixing 1'0" ø Hume pipes with necessary collers and pinted in C.M. 1:3.	5	13·0	1 Rft			278	0	0	
20 cft	cement concrete 1:3:6 using 3/4" metal for binders	135	0·0	100 cft			27	0	0	
10 cft	Rough stone dry packing for aprons & surrounds	42	4·0	- do -			34	0	0	
LS:	unforseen shortwork			LS.			30	0	0	
LS.	Petty Supervision charges						36	0	0	
				Total			900	0	0	

Sd. S. Bangeja Rao
Superintendent
Mangalore

Sd. L. A. Jaffer
Assistant Engineer

P.T.O.

(1)	(2)	(3)	(4)	(5)			(6)			(7)
				RS.	A.	P.	RS.	A.	P.	
	Technically sanctioned Sd/- M. A. Gaffoor Assistant Engineer Community Projects Mangalore.									
	Grand Total of Estimate ..									

STATION,
Dated 19 . } Minor Irrigation Overseer. Taheildar. Divisional Office

COLLECTOR'S OFFICE,
Dated 19 . } Treasury Deputy Coll

Pub (RDP. VI)

Not file

Sub:- Cls - S. Kanara Area - Block IV - Communications
Construction of 10 culverts on the road from Kadeshwallya Temple to the Mangalore - Hassan road -
- Sanctioned estimate

Ref:- From the PEO. Mangalore Ref. CNo 1873/54-B dated 2.7.54

Please see the proceedings of the PEO. Mangalore, p1 cf., sanctioning an expenditure of Rs 4700/- being the cost of Constructing 10 culverts on the roads from Kadeshwallya temple to the Mangalore Hassan road in Mangalore taluk. The road 3½ miles long is to be formed by the villagers by improving an existing cart track at a cost of about Rs 1000/. The work is listed in the Approved programme.

The following discrepancies in the compilation and check of the estimate are pointed out

1) The transport charges for materials like cement and pipes have been incorrectly worked out. According to the Standard schedule of rates, the rate of Conveyance of a unit quantity of all materials for the initial five miles is the same whether Conveyed by carts or lorry. The rate for Conveyance by lorry for every half mile over the first five miles, is far cheaper than that by cart. But the rate by lorry is adopted when the Conveyance is by a road traversible by lorry and by cart if otherwise. When the lead is through, say 10 miles of metalled road and 2 miles subsequently by road covered only by carts, the transport charges for the distance between 5th & 10th miles is on the basis of lorry rate

and the last 2 miles on that for Cart ~~for~~ rates. According to the Standard Schedule, the rate of Conveyance for the initial 5 miles is always more than that for the subsequent 5 miles. But the estimates for this area now often provide, when the lead is more than 5 miles & when a track negotiable by cart only is included, for the correct rate for the distance traversible by Lorry, but the rate for the balance is reckoned at the rate for the initial 5 miles which is always higher. The PEO may be asked to follow the uniform method as indicated at Appendix.

2) The detailed quantities worked out for the 2 different items of Concrete and for masonry require ~~Corrections~~ quantities mainly due to arithmetical errors. This reduces the ~~cost~~ in some cases and raises them in others. These errors impair the accuracy of the estimate and may be pointed out to the PEO.

Subject to orders a draft memo is put up for Approval

16/7/54

After issue the papers may be recorded as a Rt. Go. with a Call book entry for 9 months to watch the Completion of the work

Notes 16.7.54

16/7/54

16/7/54

16/7/54

G.O.Rt. 433 dated 23/7/54

Abstract:- Chs. 3-K. area. Block II. Communications - Construction of 10 culverts on the road from Kadasiwaliya Temple to the Mayurakshi Road - Sanctioned by the PEO. Mayurakshi Papers recorded.

[9 months]

Entered S.No. 119